AUDIOACCESS®

MA-362

Twelve Channel Amplifier

Quick Start Guide

502-00085-00

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Quick Start Guide

Important Notes

☞ Make sure you give the IMPORTANT SAFETY PRECAUTIONS sheet to your customer.

☞ Like any other high-powered amplifier, the MA-362 will generate heat during normal operation. In order to provide sufficient air flow around the MA-362 when installed on the shelf, make sure there is at least three inches of clearance above the amplifier and at least two inches of clearance on each side. When installed in a rack, make sure there is at least three inches of clearance to the components both above and below the MA-362.

Overview

The MA-362 is a twelve-channel amplifier organized as six two-channel pairs (zones). Each of these pairs can be operated in one of four ways:

- as a stereo pair
- left and right inputs summed to mono and routed to each channel of the pair
- bridged with the left input supplying the input signal
- bridged with the right input supplying the input signal

Each pair can be triggered or turned on either by sensing the presence of an input signal or with an applied trigger voltage. Zone 1 can also be selected for "Always On" operation. The MA-362 features a powerful bussing architecture that allows one input pair to supply multiple amplifier zones.

Controls

Input Link Switch Selects local RCA jacks (LOCAL) or RCA jacks on Zone to the immediate left (LINK) as input source.

Mode Switch Selects Stereo (STEREO), Summed to Mono (MONO), Bridged using left input (BRIDGE/L), or Bridged using right input (BRIDGE/R) operation mode.

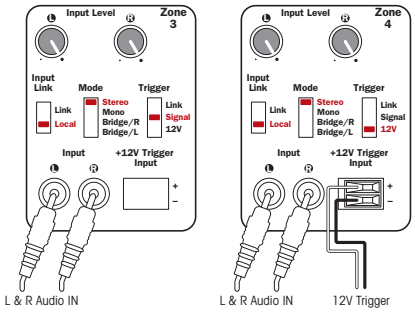
Trigger Switch Selects trigger source for zone: signal sensing (SIGNAL), voltage trigger (12V), or trigger signal of the Zone to immediate left (LINK).

Input Level Independently adjusts the left and right amplifier input level from 0dB (full CW) to –20dB (full CCW). In Mono Mode, Input level controls adjust the level of each channel and do not effect the L/R mix.

Stereo Operation

- ❑ Connect the left and right input signals to the left and right RCA jacks of a MA-362 Zone.
- ❑ Set Input Link to "LOCAL" (note: Zone 1 always uses the local input).
- ❑ Set Mode to "STEREO".
- ❑ Set Trigger to "SIGNAL" for signal sensing and "12V" for voltage trigger. If applicable, connect trigger control signal to the +12V Trigger Input.
- ❑ Connect speaker leads to the Zone's LEFT and RIGHT SPEAKER OUTPUTS.
- ❑ Starting with the controls at maximum (full clockwise rotation), adjust left or right Input Level controls as needed to balance the sound output from each speaker.

STEREO OPERATION

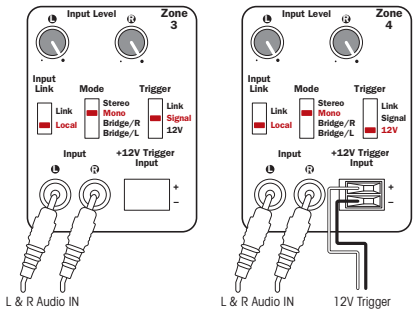


Signal Sensing — 12 Volt Trigger

Summed to Mono Operation

Configure as for **Stereo Operation** except set Mode to "MONO"

SUMMED TO MONO OPERATION



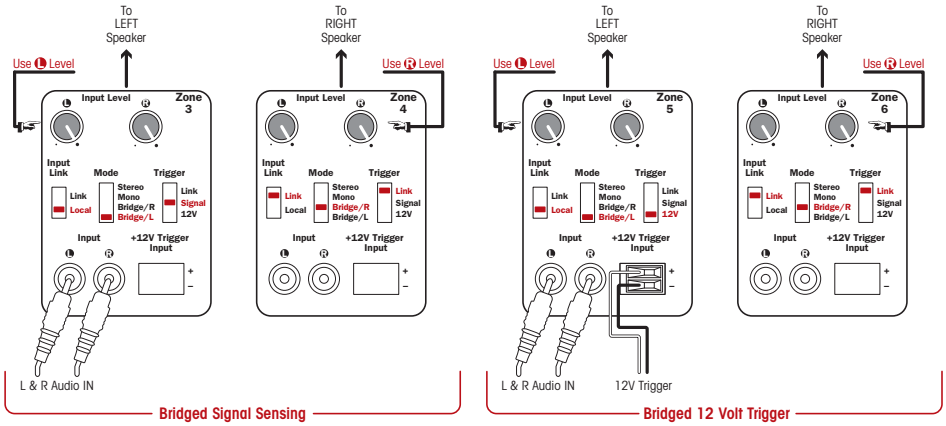
Signal Sensing — 12 Volt Trigger

Bridged Operation *Method One*

You *must* use Method One if you are bussing zones.

- ❑ Connect the left and right input signals to the Left and Right RCA jacks of a MA-362 Zone.
- ❑ Set Input Link to "LOCAL".
- ❑ Set Mode to "BRIDGE/L".
- ❑ Set Trigger to "SIGNAL" for signal sensing and "12V" for voltage trigger. If applicable, connect trigger control signal to the +12V Trigger Input.
- ❑ Connect left speaker leads to the Zones RIGHT + (+ speaker lead) and LEFT + (– speaker lead) SPEAKER OUTPUTS.
- ❑ On the zone to the immediate right, set Input Link to "LINK".
- ❑ Set Mode to "BRIDGE/R".
- ❑ Set Trigger to "LINK".
- ❑ Connect right speaker leads to the Zone's RIGHT + (+ speaker lead) and LEFT + (– speaker lead) SPEAKER OUTPUTS.
- ❑ Starting with the controls at maximum (full clockwise rotation), adjust left Input Level control on the first zone and right Input Level control on the second zone as needed to balance the sound output from each speaker.

BRIDGED OPERATION (Method One)

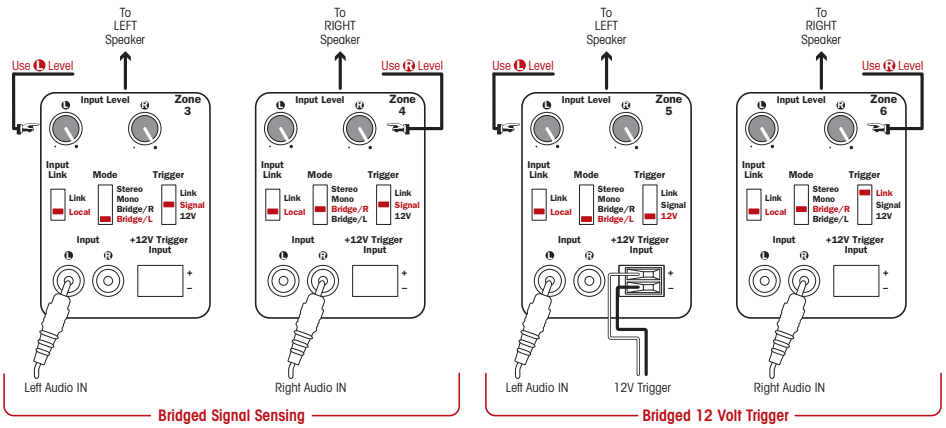


Method Two

- ❑ Connect the left input signal to the Left RCA jack of a MA-362 Zone.
- ❑ Set Input Link to "LOCAL".
- ❑ Set Mode to "BRIDGE/L".
- ❑ Set Trigger to "SIGNAL" for signal sensing and "12V" for voltage trigger. If applicable, connect trigger control signal to the +12V Trigger Input.
- ❑ Connect left speaker leads to the Zones RIGHT + (+ speaker lead) and LEFT + (– speaker lead) SPEAKER OUTPUTS.

- ❑ On the zone to the immediate right, connect the right input signal to the Right RCA jack.
- ❑ Set Input Link to "LOCAL".
- ❑ Set Mode to "BRIDGE/R".
- ❑ If the trigger in the first zone is set to signal sensing, set Trigger to "SIGNAL". Otherwise, set Trigger to "Link".
- ❑ Connect right speaker leads to the Zones RIGHT + (+ speaker lead) and LEFT + (– speaker lead) SPEAKER OUTPUTS.
- ❑ Starting with the controls at maximum (full clockwise rotation), adjust left Input Level control on the first zone and right Input Level control on the second zone as needed to balance the sound output from each speaker.

BRIDGED OPERATION (Method Two)

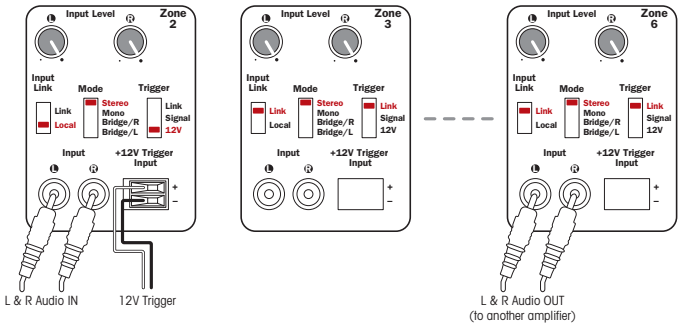


Bussed Operation

Multiple zones can be bussed together. The RCA jacks on one Zone are used to supply signal to the zone(s) to its immediate right. The unused RCA jacks on any linked zone may be used as a buss output to connect to another MA-362 or other amplifier.

- ❑ Connect the left and right input signals to the Left and Right RCA jacks of a MA-362 Zone.
- ❑ Set Input Link switch to "LOCAL".
- ❑ Set Mode to "STEREO".
- ❑ Set Trigger to "SIGNAL" for signal sensing and "12V" for voltage trigger. If applicable, connect trigger control signal to the +12V Trigger Input.
- ❑ On the zone to the immediate right, set Input Link to "LINK".
- ❑ Set Mode to "STEREO".
- ❑ Set Trigger to "LINK".
- ❑ For each additional zone in the same buss group, set Input Link to "LINK", Mode to "STEREO" and Trigger to "LINK".

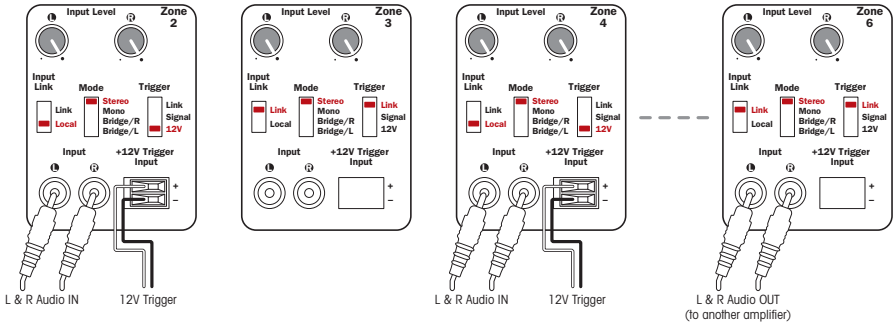
BUSS OPERATION (Stereo Mode)



Multiple Busses

Multiple busses (groups of linked zones) can be created. Follow the steps described for **Bussed Operation** and simply make sure the Input Link switch of the first zone of each buss group is set to "LOCAL". Connect the audio signals for the bussed group to the Left and Right RCA jacks of this first zone.

MULTIPLE BUSS OPERATION (Stereo Mode)



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